1. (Currently Amended) A hair stylizing and conditioning gel ~~possessing unusual viscoelastic properties,~~ comprising shear thickening properties enabling the viscosity of the gel to increase with an increasing shear rate, with said gel further comprising:

A. between about 1% and 10% by weight based upon the weight of the entire composition of PPG-14 Palmeth-60 Hexyl Dicarbamate;

B. between about 3% and 30% by weight based upon the weight of the entire composition of cocamidopropyl betaine; and

C. water forming the balance.

2. (Original) The hair styling and conditioning gel defined in Claim 1, wherein said composition further comprises at least one selected from the group consisting of styling polymers, hair lightening compounds, fragrances, and preservatives.

3. (Original) The hairstyling and conditioning gel defined in Claim 1, wherein said composition further comprises:

D. between about 0% and 30% by weight based upon the weight of the entire composition of at least one styling polymer;

E. between about 0% and 10% by weight based upon the weight of the entire composition of a hair lightening compound;

F. between about 0.01% and 1% by weight based upon the weight of the entire composition of a fragrance; and

G. between about 0.01% and 1% by weight based upon the weight of the entire composition of a preservative.

4. (Currently Amended) The hair styling and conditioning gel defined in Claim 3, wherein the hairstyling polymer comprises at least one selected from the group consisting of vinylpyrrolidone polymers or polyvinylpyrrolidone and acrylate copolymers.

5. (Currently Amended) The hair styling and conditioning gel defined in Claim 4, wherein the acrylate copolymers are ~~further defined as comprising~~ AMP-Acrylates and Allyl methacrylate copolymers.

Claim 6 (Canceled)

7. (Currently Amended) The hair styling and conditioning gel defined in Claim 3, wherein said hair lightening agent is ~~further defined as comprising~~ hydrogen peroxide.

8. (Withdrawn) A method for manufacturing a hair styling and conditioning gel possessing unusual viscoelastic properties said method comprising:

A. adding a quantity of distilled water into a first vessel;

B. mixing a quantity of cocamidopropyl betaine into the water in the first vessel and heating the ingredients to between about 62°C and 68°C, the quantity of cocamidopropyl betaine employed comprising between about 25% and 60% of the total quantity of this ingredient employed in the entire composition;

C. adding the remaining quantity of cocamidopropyl betaine to a second vessel and heating the second vessel to between about 62°C and 68°C;

D. adding PPG-14 Palmeth-60 Hexyl Dicarbamate into the second vessel and mixing the ingredients therein until homogeneous;

E. thoroughly intermixing the contents of each of vessel separately and, thereafter, combining the contents of the two vessels into a single vessel

and mixing until uniform, while maintaining the temperature of the intermixed ingredients to between about 62°C and 68°C;

F. pouring the thoroughly mixed hairstyling and conditioning gel into suitable containers while the gel remains at a temperature ranging between about 62°C and 68°C; and

G. allowing the gel to cool to room temperature.

9. (Withdrawn) The method defined in Claim 8, wherein the total quantity of cocamidopropyl betaine employed is further defined as comprising between about 3% and 30% by weight based upon the weight of the entire composition and the total quantity of PPG-14 Palmeth-60 Hexyl Dicarbamate is further defined as comprising between about 1% and 10% by weight based on the weight of the entire composition.

10. (Withdrawn) The method defined in Claim 9, and comprising the additional step of mixing a hair styling polymer into the water contained in the first vessel and allowing the hairstyling polymer to be completely dissolved before adding the cocamidopropyl betaine thereto.

11. (Withdrawn) The method defined in Claim 9, comprising the additional steps of

H. adding AMP-Acrylates/Allyl Methacrylate Copolymer to the composition after the thorough mixing of the components of the two vessels and continuing mixing the entire composition for about 10 minutes at an elevated temperature of between about 62°C and 68°C; and

I. thereafter intermixing preservatives and fragrances into the composition and continuing mixing the entire composition for about 10 minutes at an elevated temperature of between about 62°C and 68°C.